



117Z3

HALF-WAVE VACUUM RECTIFIER

MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 117 ac or dc volts

Current. 0.04 amp

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-5/8"

Maximum Seated Length. 2-3/8"

Maximum Diameter 3-4"

Bulb T-5-1/2

Base Miniature Button 7-Pin

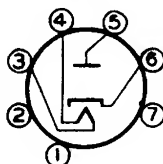
Basing Designation for BOTTOM VIEW 4CB

Pin 1 - Internal Con.-

Do Not Use

Pin 2 - No Connection

Pin 3 - Heater



Pin 4 - Heater

Pin 5 - Plate

Pin 6 - Cathode

Pin 7 - No Con.-

HALF-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE 330 max. volts

PEAK PLATE CURRENT 540 max. ma

DC OUTPUT CURRENT. 90 max. ma

HOT-SWITCHING TRANSIENT PLATE CURRENT

For duration of 0.2 second maximum 2.5 max. amp

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . . 175 max. volts

Heater positive with respect to cathode. . . 100 max. volts

Typical Operation with Capacitor-Input to Filter:

AC Plate-Supply Voltage (RMS). 117 volts

Filter-Input Capacitor 30 μ f

Min. Total Effective Plate-Supply Impedance. . . 20 ohms

DC Output Current. 90 ma

DC Output Voltage at Input to Filter (Approx.):

At half-load current (45 ma.). 130 volts

At full-load current (90 ma.). 110 volts

Voltage Regulation (Approx.):

Half-load to full-load current 20 volts

← Indicates a change.

JULY 3, 1950

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

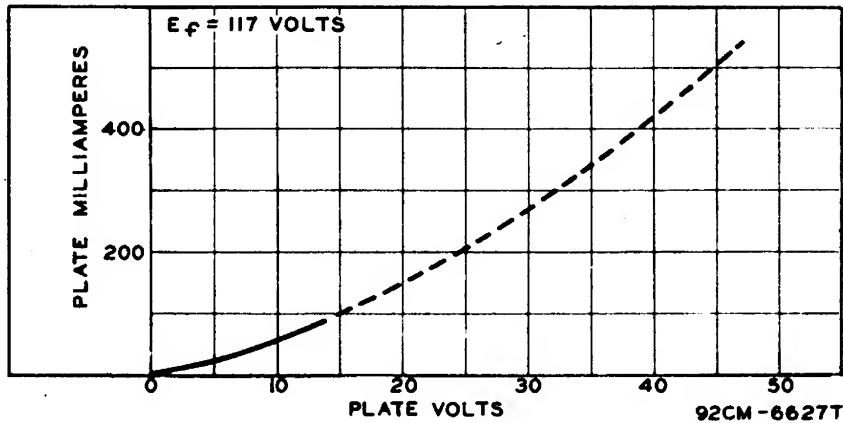
DATA

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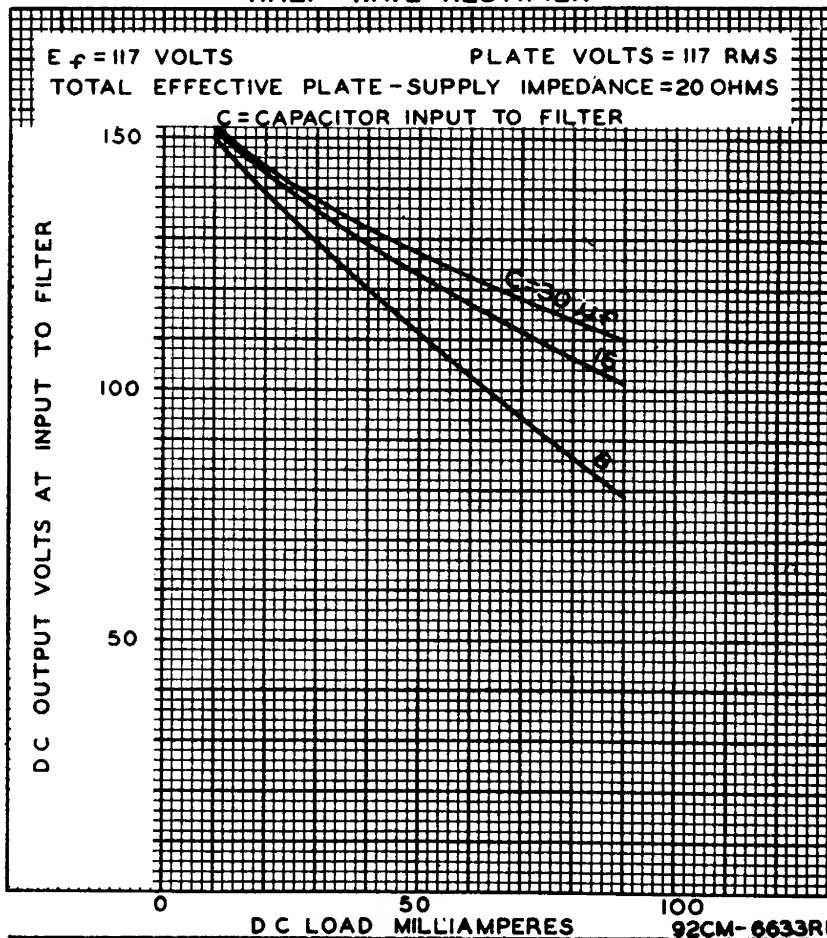


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AVERAGE PLATE CHARACTERISTIC



OPERATION CHARACTERISTICS HALF-WAVE RECTIFIER



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CE-6627T-6633R1